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Free distribution of technical material and periodicals is restricted.

**FARMERS' BULLETINS**

**Irrigation practices in growing alfalfa.** Samuel Fortier, Bureau of Agricultural Engineering. Revised by Harry F. Blaney, Leslie Bowen, Paul A. Ewing, M. R. Lewis, James C. Marr, R. L. Parshall, and A. A. Young. Soil Conservation Service. 27 p., illus. (F. B. 1630F., rev.) Price 5c.

**LEAFLETS**

**Blueberries.** George M. Darrow, Bureau of Plant Industry. 8 p., illus. (Leaf. 201L.) Price 5c.

**TECHNICAL BULLETINS**

**Anatomical structure of the cottonseed coat as related to problems of germination.** D. M. Simpson and Caroline L. Adams, Bureau of Plant Industry, and G. M. Stone, University of Tennessee Agricultural Experiment Station. 24 p., illus. (T. B. 734T.) Price 5c.

**Yields of barley varieties in the United States and Canada, 1932-36.** G. A. Wiebe, Bureau of Plant Industry, P. R. Cowan, Dominion Department of Agriculture, Canada, and Lucille Reinbach-Welch, Bureau of Plant Industry. 78 p. (T. B. 735T.) Price 10c.

**Yield, chemical composition, and feeding value for milk production of alfalfa hay cut at three stages of maturity.** J. R. Dawson, D. V. Kopland, and R. R. Graves, Bureau of Dairy Industry. 52 p., illus. (T. B. 739T.) Price 10c.

**Composition of American gum turpentine exclusive of the pinenes.** T. C. Chadwick and S. Palkin, Bureau of Agricultural Chemistry and Engineering. 16 p., illus. (T. B. 749T.) Price 5c.

**Rock weathering and soil profile development in the Hawaiian Islands.** G. J. Hough, P. L. Gile, and Z. C. Foster, Bureau of Plant Industry. 44 p. (T. B. 752T.) Price 10c.

**Cotton-price relationships and outlets for American cotton.** L. D. Howell, Bureau of Agricultural Economics. 40 p., illus. (T. B. 755T.) Price 5c.

**The corrosive effect of chlorine and lye solutions on metals used in dairy equipment.** H. S. Haller, F. M. Grant, and C. J. Babcock, Bureau of Dairy Industry. 28 p., illus. (T. B. 756T.) Price 5c.

**Residual effects of forcing and hardening of tomato, cabbage, and cauliflower plants.** M. F. Babb, Bureau of Plant Industry. 35 p., illus. (T. B. 760T.) Price 10c.

**Seasonal distribution of rainfall in relation to yield of winter wheat.** J. E. Pallesen, Agricultural Marketing Service, and H. H. Laude, Kansas Agricultural Experiment Station. 12 p., illus. (T. B. 761T.) Price 5c.

**CIRCULARS**

**Studies on the "raisining" of Alexandria (Muscat) grapes in transit.** C. E. Asbury, C. O. Bratley, and W. R. Barger, Bureau of Plant Industry. 11 p., illus. (Cir. 574C.) Price 5c.

**Some factors affecting the progeny testing of rams.** Ralph W. Phillips, R. G. Schott, W. V. Lambert, and G. W. Brier, Bureau of Animal Industry. 18 p., illus. (Cir. 580C.) Price 5c.

**Harvesting pyrethrum.** A. F. Sievers and M. S. Lowman, Bureau of Plant Industry, and W. M. Hurst, Bureau of Chemistry and Engineering. 28 p., illus. (Cir. 581C.) Price 5¢.

**Development of interspecific tomato hybrids of horticultural value and highly resistant to fusarium wilt.** William S. Porte and Frederick L. Wellman, Bureau of Plant Industry. 19 p., illus. (Cir. 584C.) Price 5¢.

**Ramie fiber production.** Brittain B. Robinson, Bureau of Plant Industry. 15 p., illus. (Cir. 585C.) Price 5¢.

**The growth and composition of the fruit of okra in relation to its eating quality.** C. W. Culpepper and H. H. Moon, Bureau of Plant Industry. 18 p., illus. (Cir. 595C.) Price 5¢.

**The Imperial strains of lettuce.** I. C. Jagger, Thomas W. Whitaker, J. J. Uselman, and Walter M. Owen, Bureau of Plant Industry. 16 p., illus. (Cir. 596C.) Price 5¢.

#### MISCELLANEOUS PUBLICATIONS

**Turpentine still buildings and equipment.** Naval Stores Research Division, Bureau of Agricultural Chemistry and Engineering. 44 p., illus. (M. P. 387M.) Price 15¢.

**Forest resources of the Douglas-fir region.** H. J. Andrews and R. W. Cowlin, Forest Service. 169 p., illus. (M. P. 389M.) Price 50¢.

**Family housing and facilities; five regions. Urban, village, and farm series.** Hazel Kyrk, Day Monroe, Maryland Y. Pennell, and Edith Dyer Rainboth, Bureau of Home Economics, in cooperation with Works Progress Administration. 223 p., illus. (M. P. 399M.) Price 25¢.

**Effective extension circular letters: How to prepare and use them.** H. W. Gilbertson, Extension Service. 43 p., illus. (M. P. 403M.) Price 10¢.

**Range conservation practices for the Great Plains.** B. W. Allred, Soil Conservation Service. 21 p., illus. (M. P. 410M.) Price 10¢.

#### SERVICE AND REGULATORY ANNOUNCEMENTS

**Bureau of Animal Industry.** Service and regulatory announcements. December 1940. Pp. 115-122. (S. R. A.-B. A. I. 404); Index, January-December 1940. Pp. 123-125. Price 25¢ a year, 5¢ a copy.<sup>1</sup>

**List of intercepted plant pests, 1939.** Service and regulatory announcements. Bureau of Entomology and Plant Quarantine. 53 p.<sup>2</sup>

#### STATISTICAL BULLETINS

**Forest products statistics of the Central and Prairie States.** R. V. Reynolds and A. H. Pierson, Forest Service. 94 p. (S. B. 73S.) Price 15¢.

#### AGRICULTURAL ADJUSTMENT ADMINISTRATION

**NCR Leaflet-501. Why you need a farm program in 1941.** Folder. 1940.<sup>3</sup>

#### FARM CREDIT ADMINISTRATION

**F. C. A. Cir. 25. Selling credit to consumers.** Farm Credit Administration. 48 p. 1940.<sup>4</sup>

**F. C. A. Cir. C 117. South Brazil: New land of cotton.** Omer W. Herrman. 47 p. 1940.<sup>4</sup>

**F. C. A. Cir. C 118. Operation of small-lot country fruit and vegetable auctions.** Edwin W. Cake. 40 p. 1940.<sup>4</sup>

**F. C. A. Cir. C 119. Operating methods of Challenge Cream and Butter Association.** Paul E. Quintus. 46 p. 1940.<sup>4</sup>

**F. C. A. Cir. C 120. Cooperative purchasing of farm supplies in Georgia.** Gerald M. Francis. 38 p. 1940.<sup>4</sup>

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

<sup>2</sup> These may be obtained from the issuing bureau.

<sup>3</sup> These may be obtained free upon application to the Agricultural Adjustment Administration.

<sup>4</sup> These may be obtained free upon application to Farm Credit Administration.

Indicate below by numbers IN NUMERICAL ORDER, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelope to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired, please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication. Be sure to fill in blank form on reverse side.

Farmers' Bulletins	Leaflets	Other publications

**F. C. A. Cir. C 121. The citrus industry and the California Fruit Growers Exchange system.** Neptune Fogelberg and A. W. McKay. 109 p. 1940.<sup>4</sup>

**News for farmer cooperatives.** Vol. 7, No. 10. January 1941; Vol. 7, No. 11. February 1941. Price 10¢ a copy; \$1.00 a year, domestic.<sup>1</sup>

Issued free to cooperative associations, public institutions, and persons primarily concerned with furthering the cooperative movement among farmers.

#### PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

**Agricultural situation.** Vol. 25, No. 2, February 1941. Price 5¢ a copy; 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

**Agriculture in the Americas.** Vol. 1, No. 1, February 1941. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.20 a year, foreign.<sup>1</sup>

This new monthly publication of 16 pages is designed to present in popular style agricultural developments in the Western Hemisphere particularly as they affect the economic relations of the American Republics. The subject matter covers various phases of inter-American trade, as well as agricultural items of importance in the program for Hemisphere defense.

**Crops and markets.** Vol. 17, No. 12, December 1940; Vol. 18, No. 1, January 1941. Price 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

Statistics concerning crop and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions, and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

**Experiment station record.** Vol. 82, Index number. Vol. 84, No. 1, January; No. 2, February 1941. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.75 per volume, foreign.<sup>1</sup> Single numbers for sale only. Price 15¢.

A technical review of scientific literature pertaining to agriculture.

**Extension service review.** Vol. 12, No. 2, February 1941. Illus. Price 10¢ a copy; 75¢ a year, domestic; \$1.15 a year, foreign.<sup>1</sup>

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

**Fire control notes.** Vol. 5, No. 1, January 1941. Price 15¢ a copy; 50¢ a year, domestic.<sup>1</sup>

A quarterly periodical devoted to the technique of fire control. The articles deal with fire research or fire control management; theory, relationships, prevention, equipment, detention, communication, transportation, cooperation, planning, organization, personnel management, training, fire-fighting methods of reporting, and statistical systems.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

<sup>4</sup> These may be obtained free upon application to Farm Credit Administration.



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**Journal of agricultural research.** Price, \$3.25 a year, domestic; \$4.75 a year, foreign. Each issue 15¢, domestic; 20¢, foreign. Separates 5¢, domestic; 8¢, foreign.<sup>1</sup> Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

**Separates.** A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made. Others interested may purchase copies from the Superintendent of Documents, Washington, D. C., at 5¢ each. The Office of Information has none for general distribution.

E-83. (In Vol. 60, No. 11.) Hemicelluloses of wheat straw. H. D. Weihe and Max Phillips.

G-1156. (In Vol. 60, No. 8.) Morphology of the vegetative organs of sugarcane. Ernst Artschwager.

G-1165. (In Vol. 60, No. 11.) Root responses of noninfectious hairy root apple seedlings under different methods of propagation. E. A. Siegler and J. J. Bowman.

G-1167. (In Vol. 60, No. 11.) Hybrid vigor in sugar beets. Dewey Stewart, C. A. Lavis, and G. H. Coons.

G-1168. (In Vol. 60, No. 12.) Studies on the natural inoculation of seed barley with covered smut (*Ustilago hordei*). V. F. Tapke.

G-1171. (In Vol. 61, No. 1.) Inversion of sucrose in the different parts of the sugarcane stalk. J. J. Lauritzen and R. T. Balch.

G-1172. (In Vol. 61, No. 1.) Salt balance in irrigated areas. Carl S. Scofield.

G-1173. (In Vol. 61, No. 1.) Boron absorption by sunflower seedlings. Carl S. Scofield, L. V. Wilcox, and George Y. Blair.

G-1177. (In Vol. 61, No. 2.) Effect of blue stain on specific gravity and strength of southern pine. A. Dale Chapman and Theodore C. Scheffer.

III-73. (In Vol. 61, No. 2.) The impairment in nutritive value of corn grain damaged in specific fungi. H. H. Mitchell and Jessie R. Beadles.

K-307. (In Vol. 61, No. 1.) Two new spore-forming bacteria causing milky diseases of Japanese beetle larvae. S. R. Dutky.

Mass.-51. (In Vol. 61, No. 1.) Color markings in Rhode Island Red chicks as related to sex and adult color. F. A. Hays.

Miun.-116. (In Vol. 60, No. 10.) Genetic and cytologic studies of a brachytic mutation in barley. S. P. Swenson.

Wis.-116. (In Vol. 61, No. 1.) The significance of the "ceased" reactor to Bang's disease. B. A. Beach, M. R. Irwin, and L. C. Ferguson.

Wis.-117. (In Vol. 61, No. 2.) Pea seed treatment with chemical dusts. J. C. Walker, E. J. Delwiche, and Paul G. Smith.

Wis.-119. (In Vol. 61, No. 2.) The effect of some mineral nutrients on the development of clubroot of crucifers. Dean E. Pryor.

Vol. 61, No. 5, September 1; No. 6, September 15; No. 7, October 1; No. 8, October 15; No. 9, November 1; No. 10, November 15, 1940.

**Land policy review.** Vol. IV, No. 1, January; No. 2, February 1941. Price, 5¢ a copy; 25¢ a year, domestic.<sup>1</sup>

Gives information on current developments in land policy and land programs to workers of the Department of Agriculture and cooperating groups.

**Rural electrification news.** Vol. 6, No. 4, December; No. 5-6, January-February 1941. Price 10¢ a copy; 75¢ a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

Issued monthly by the Rural Electrification Administration. A summary of rural electrification activities and a clearing house for interchange of information pertaining to utilization of electric power in farm tasks.

**Soil conservation.** Vol. 6, No. 8-9, February-March 1941. Price 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

Issued monthly by the Soil Conservation Service. Seeks to supply to workers and cooperators of the Department of Agriculture engaged in soil-conservation activities information of especial help to them in the performance of their duties.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.